

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6277 - L2 Version 002  
Chandra X-Ray Center

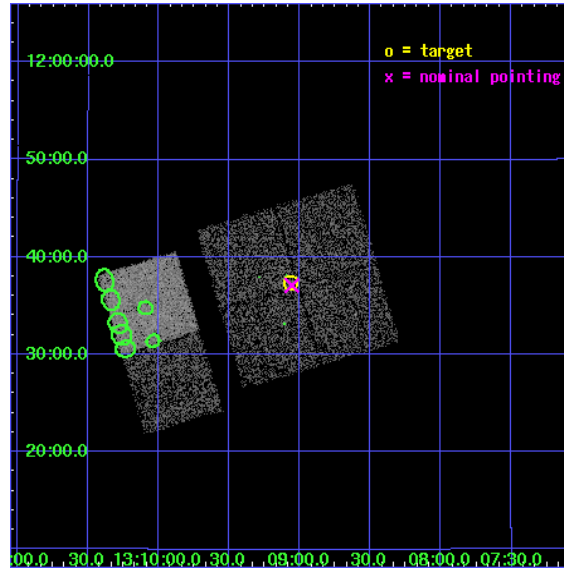
L2 Processing Date : Mar 15 2006

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# 1 Front

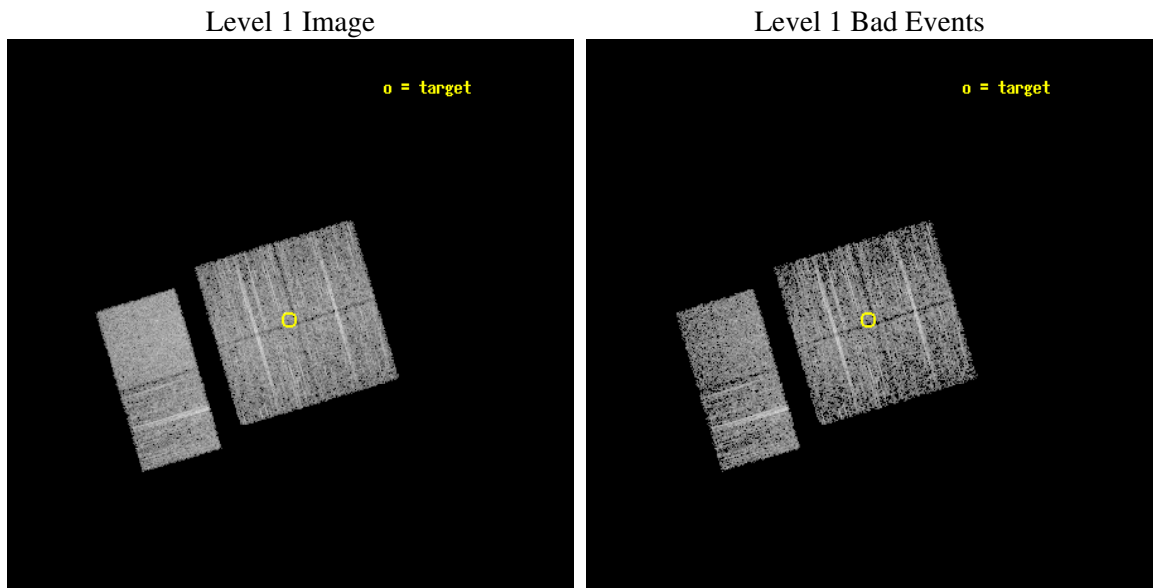
seq_num	701179
obs_id	6277
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey
observer	Prof. Rashid Sunyaev
object	IGR J13091+1137
dtcycle	0
cycle	P
ra_targ	197.267083
dec_targ	11.622
ra_nom	197.2641130689
dec_nom	11.618237088817
roll_nom	253.43027191462
revision	2
ontime	3673.5999863148
livetime	3627.0826513117
ontime0	3673.5999863148
ontime1	3673.5999863148
ontime2	3673.5999863148
ontime3	3673.5999863148
ontime6	3673.5999863148
ontime7	3673.5999863148
l2events	30717



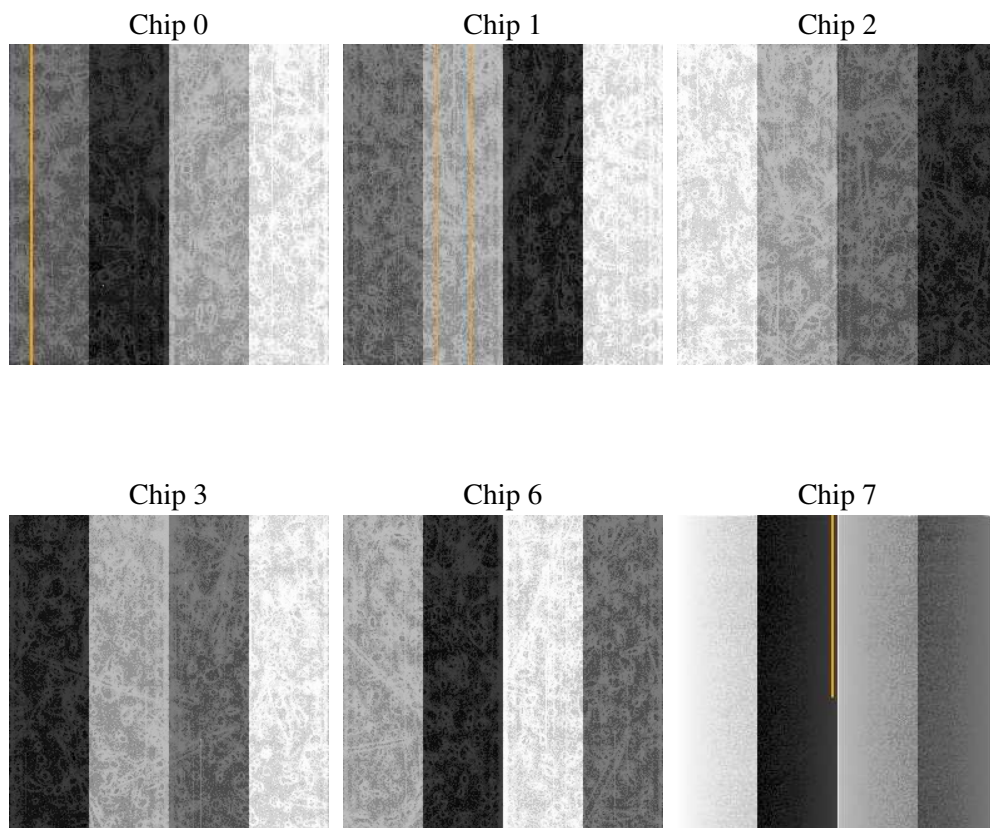
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-15T18:23:38
revision	2

sched_exp_time	3500.000000
ontime	3759.5722723901
ontime0	3762.8132925034
ontime1	3762.8132925034
ontime2	3762.8132925034
ontime3	3759.5722723901
ontime6	3759.5722723901
ontime7	3759.5722922981
l1events	184754

### 2.1.4 Events

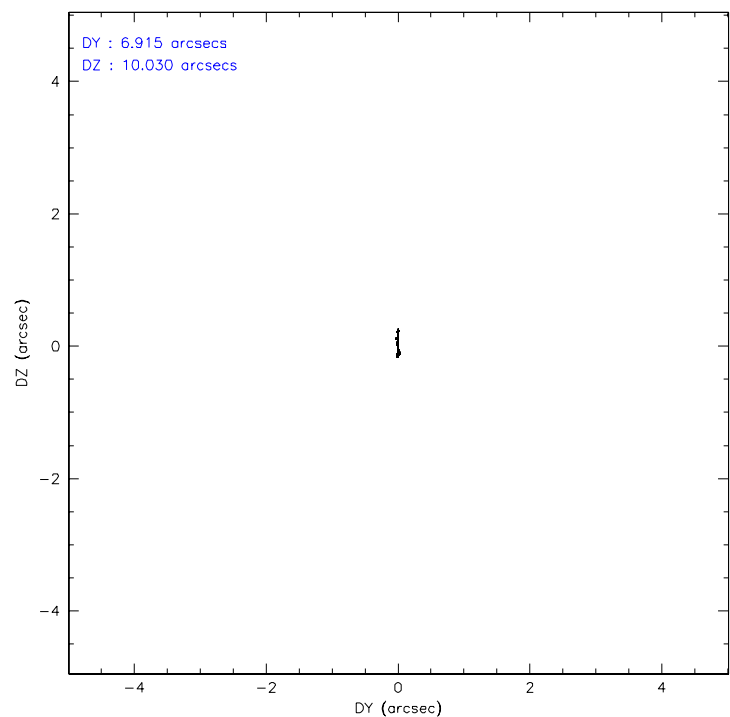
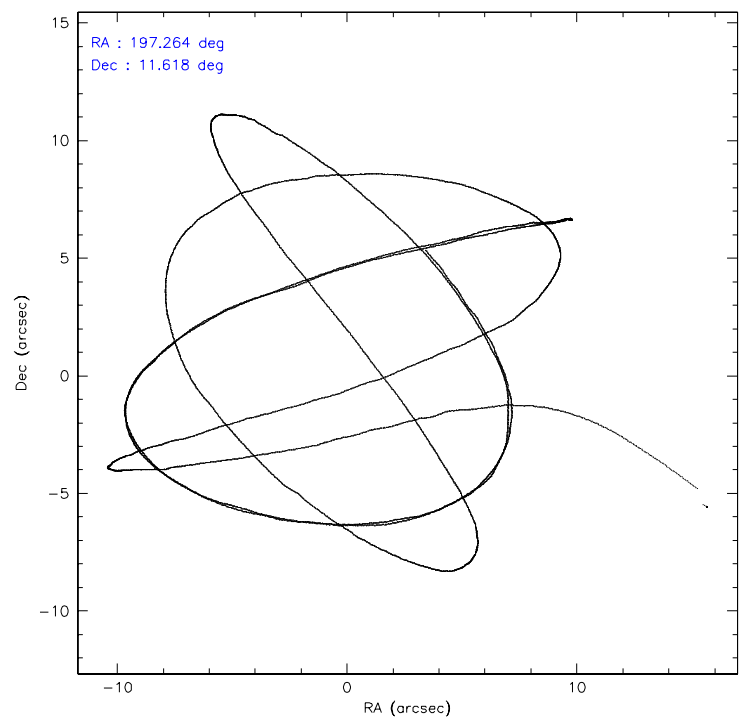
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	26713	26959	29221	30303	31543	40015
rejected events	23064	23317	25659	26500	27927	24848
rejected %	86%	86%	87%	87%	88%	62%

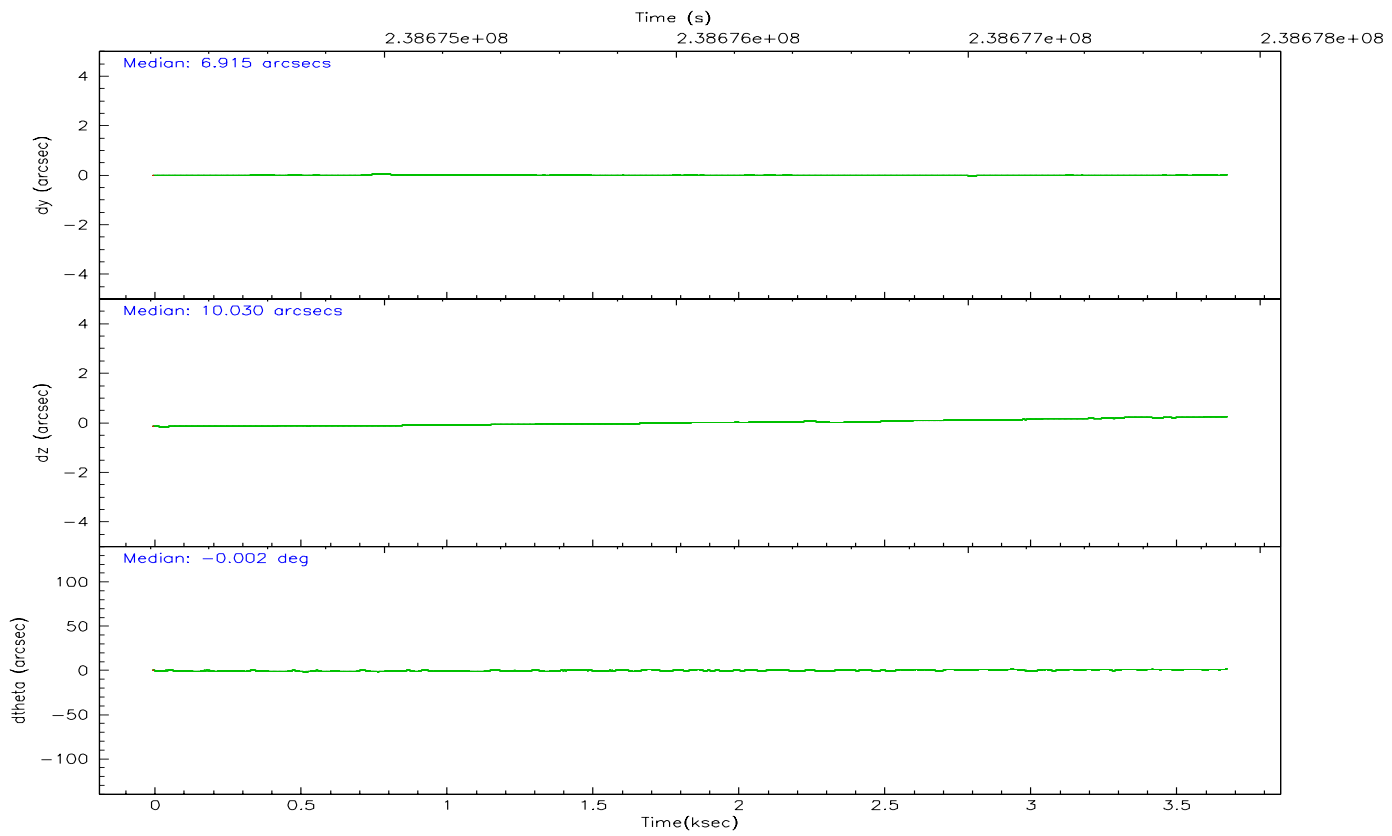
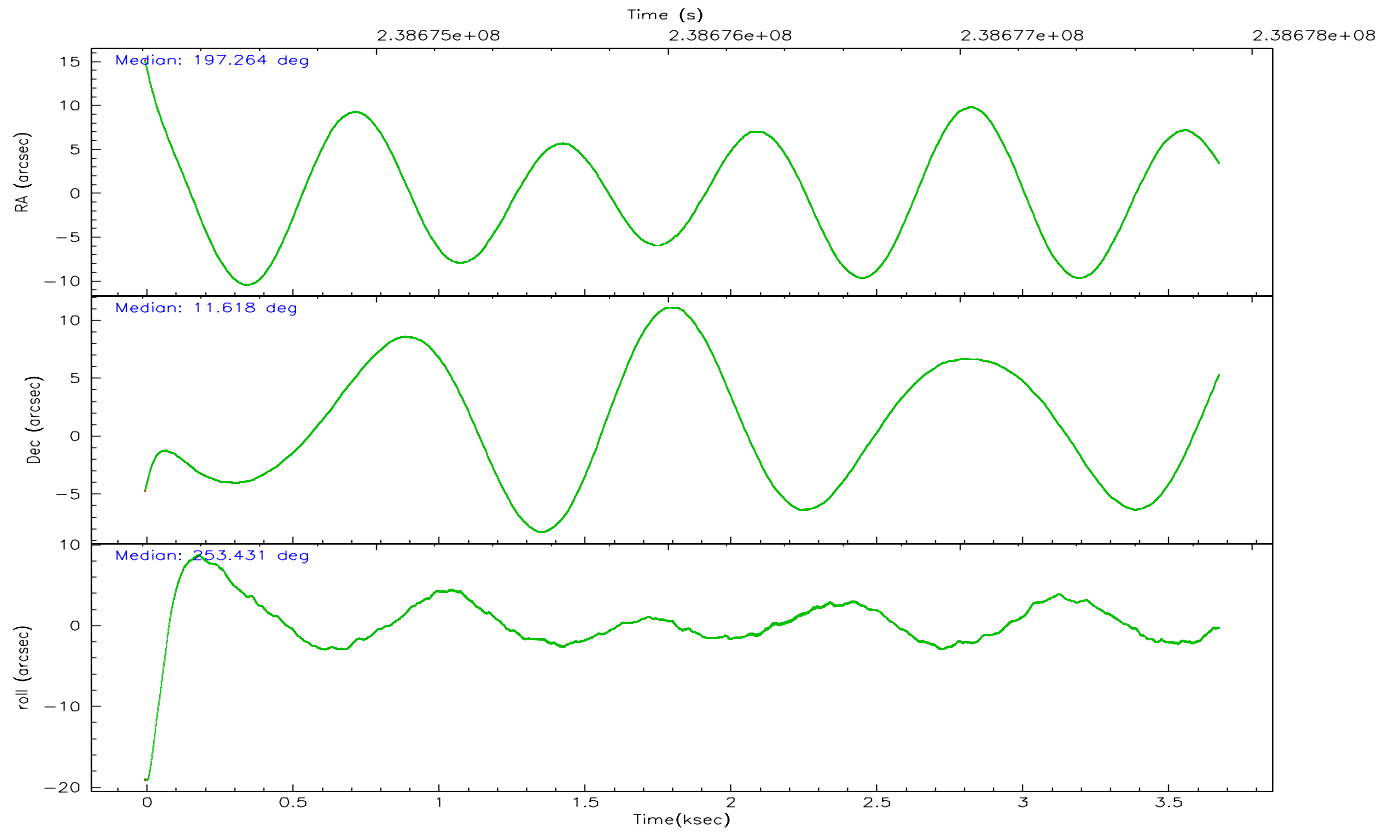
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1620	1482	1667	1738	1446	909
	6%	5%	5%	5%	4%	2%
grade 1 events	23	12	15	24	12	19
	0%	0%	0%	0%	0%	0%
grade 2 events	803	853	671	727	739	3854
	3%	3%	2%	2%	2%	9%
grade 3 events	322	333	343	346	347	744
	1%	1%	1%	1%	1%	1%
grade 4 events	336	352	378	376	367	687
	1%	1%	1%	1%	1%	1%
grade 5 events	1252	1281	1150	1295	1441	2514
	4%	4%	3%	4%	4%	6%
grade 6 events	638	704	573	683	792	9321
	2%	2%	1%	2%	2%	23%
grade 7 events	21719	21942	24424	25114	26399	21967
	81%	81%	83%	82%	83%	54%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	197.257466	197.2641130688966	Alternating exposures requested	N	N
Pointing Dec	11.645032	11.61823708881713	Primary exposure time	0.000000	3.2
Pointing Roll	253.223013	253.4302719146196			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	238674381.184000	238673270.91852			
Observation start date	2005-07-25T10:25:17	2005-07-25T10:07:50			
Observation end time	238677881.184000	238678418.98125			
Observation end date	2005-07-25T11:23:37	2005-07-25T11:33:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect





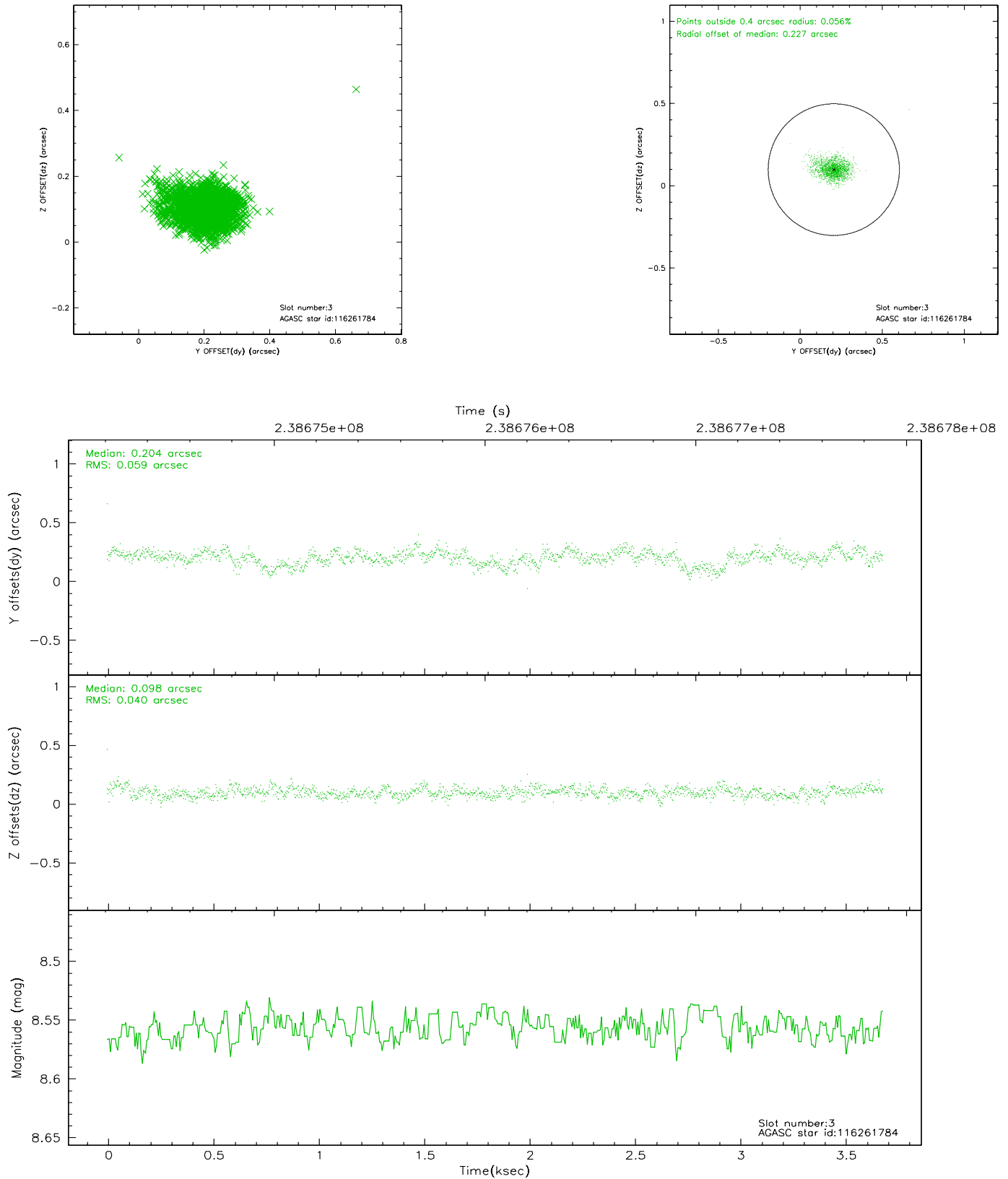
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	898	-0.017	0.045	0.007	0.016	0.000000	0.000000	932.75	-833.47
1	FID	ACIS-I-5	7.23	898	-0.124	0.017	0.006	0.011	0.000000	0.000000	-1814.51	1063.14
2	FID	ACIS-I-6	7.26	898	0.050	0.008	0.007	0.012	0.000000	0.000000	396.51	1709.57
3	GUIDE	116261784	8.56	1796	0.204	0.098	0.073	0.126	196.853969	11.134859	2169.82	-834.26
4	GUIDE	116262664	8.44	1796	0.139	-0.022	0.054	0.088	196.809372	11.278433	1720.39	-1134.69
5	GUIDE	116267520	9.31	1796	-0.052	-0.030	0.097	0.163	197.020801	12.194164	-1651.79	-1368.69
6	GUIDE	116267000	8.91	1796	-0.147	-0.041	0.089	0.147	196.866177	12.323926	-1944.36	-2024.86
7	GUIDE	116267400	9.05	1794	-0.141	0.004	0.076	0.123	196.893154	12.273451	-1798.12	-1881.61

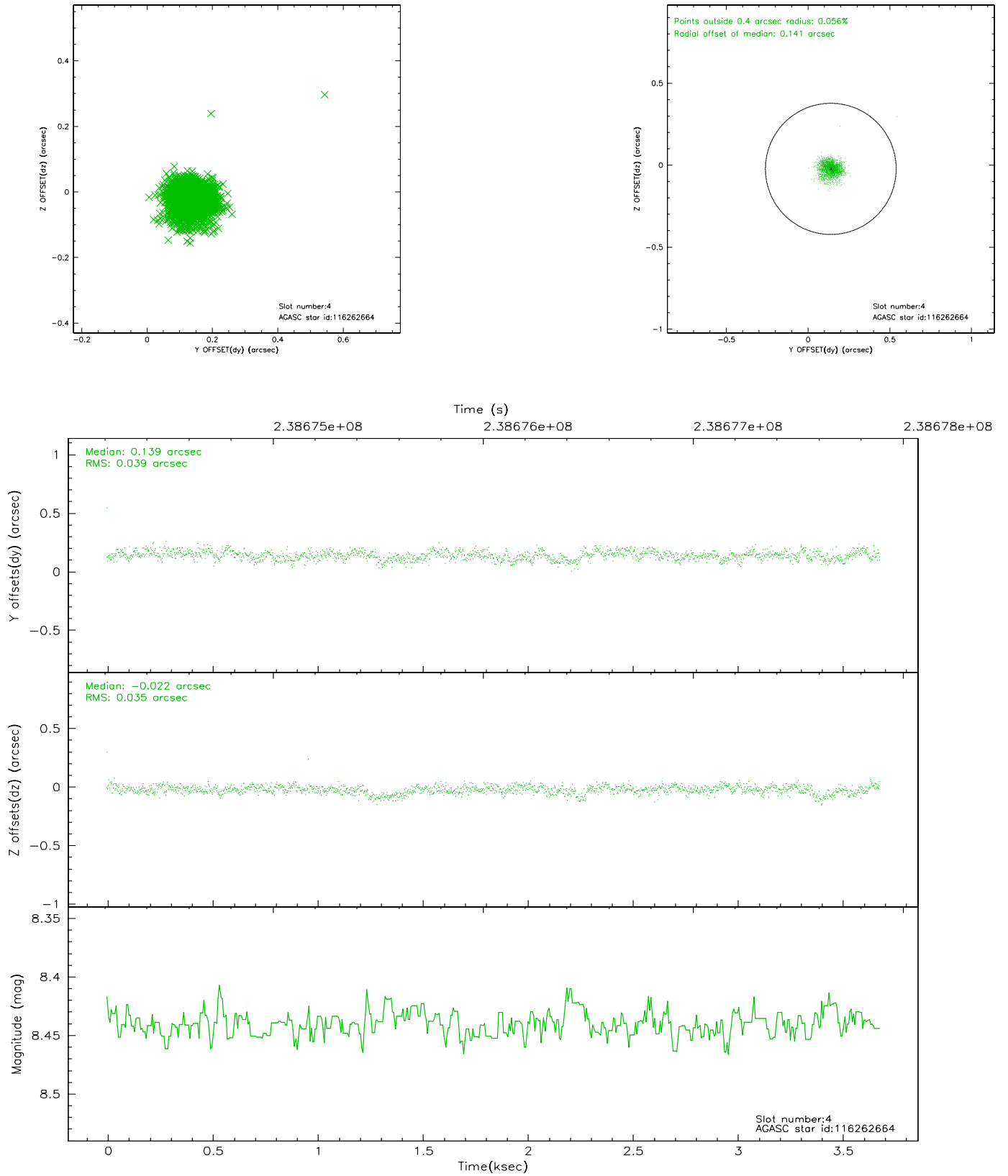


## 2.4 Star Slots

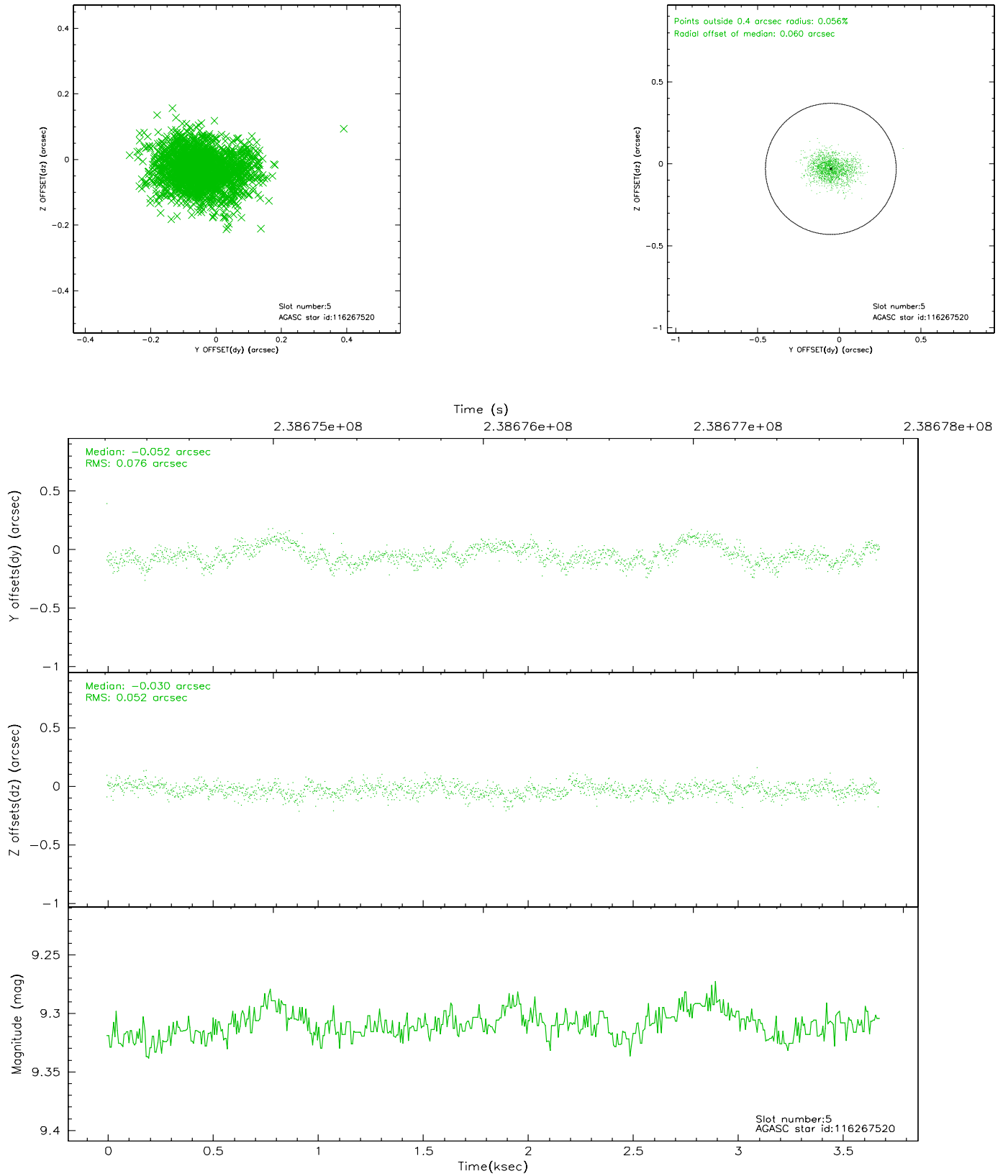
### 2.4.1 Slot 3



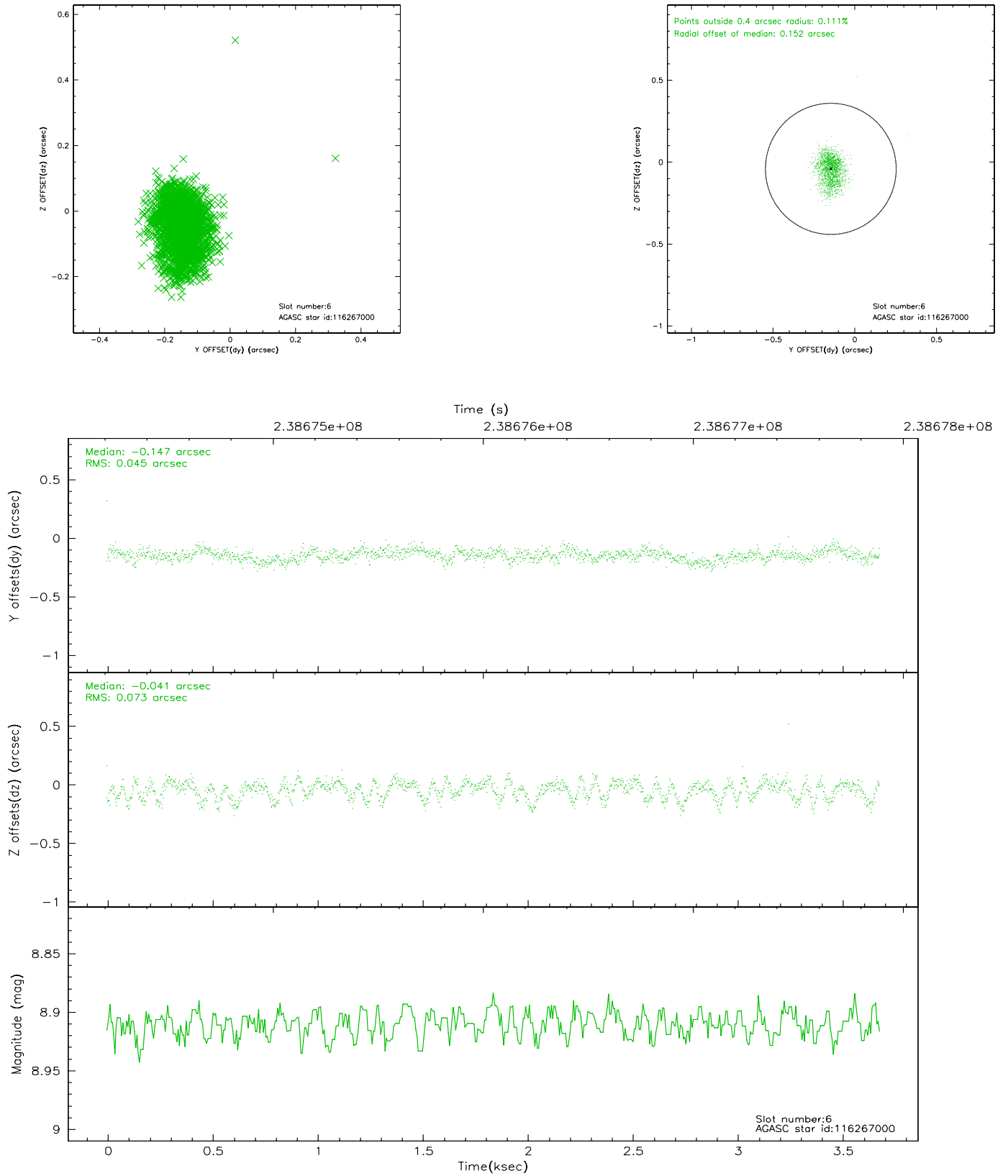
## 2.4.2 Slot 4



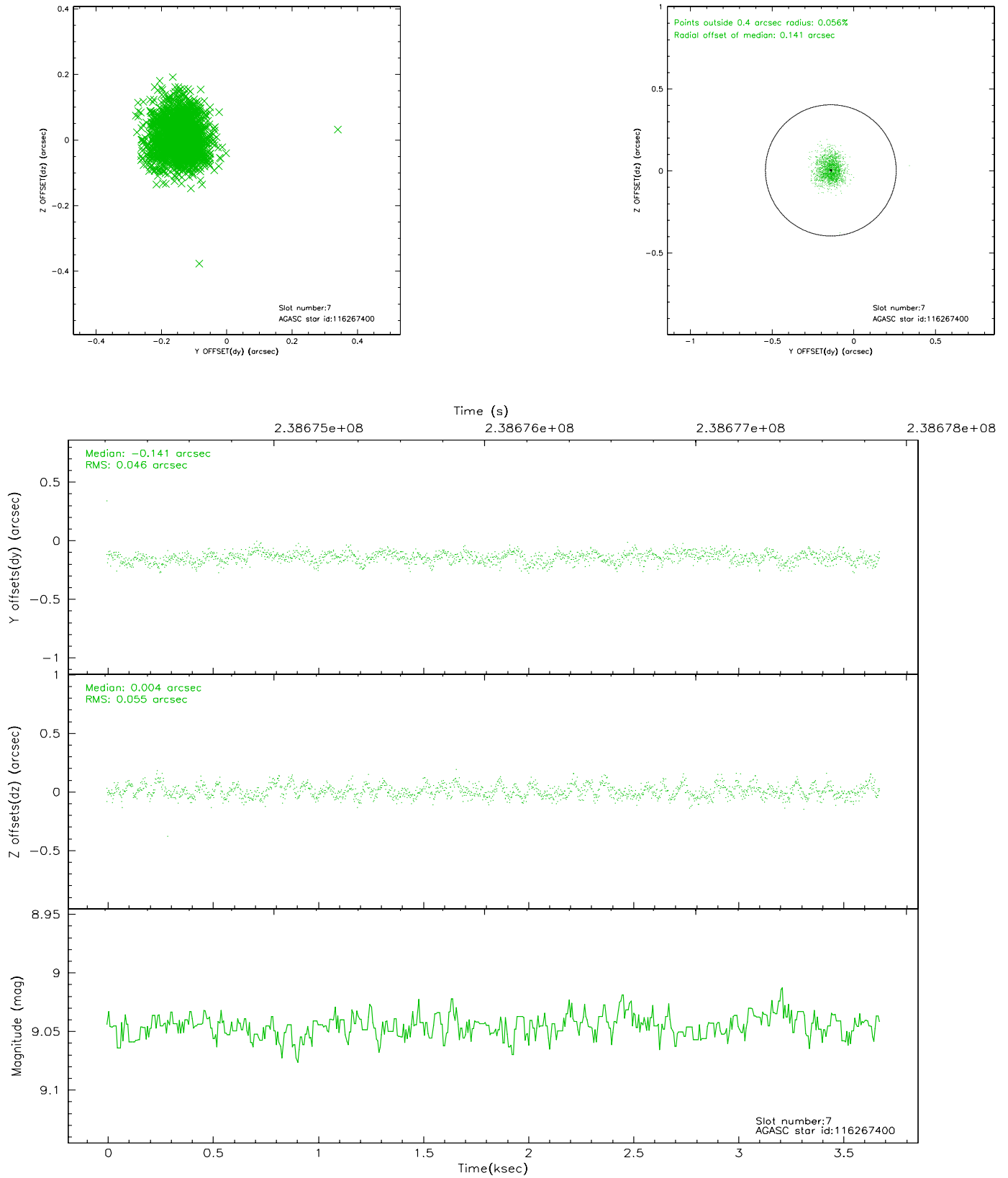
### 2.4.3 Slot 5



## 2.4.4 Slot 6

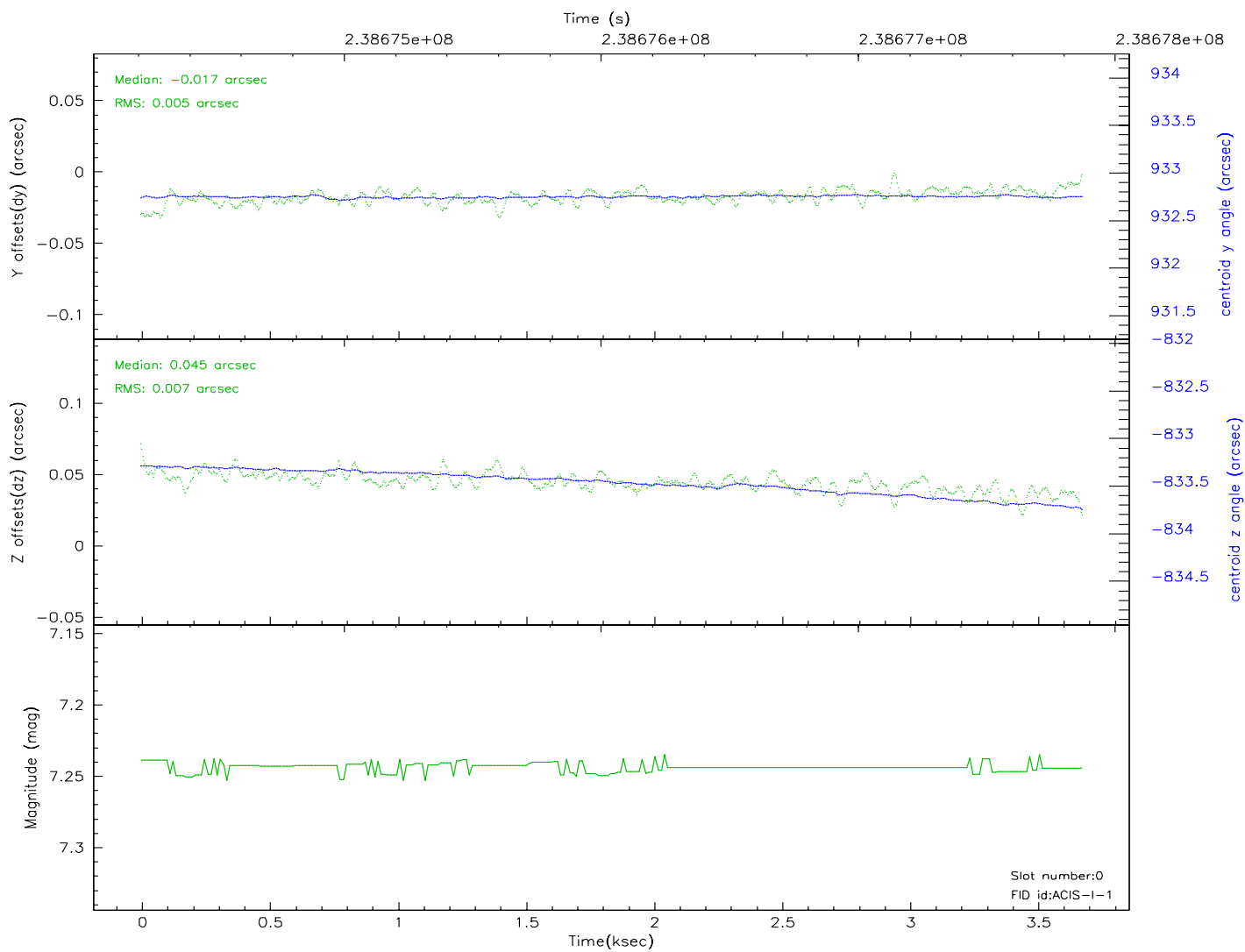
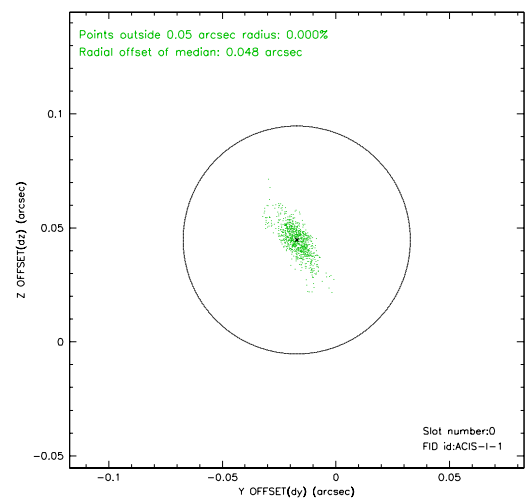
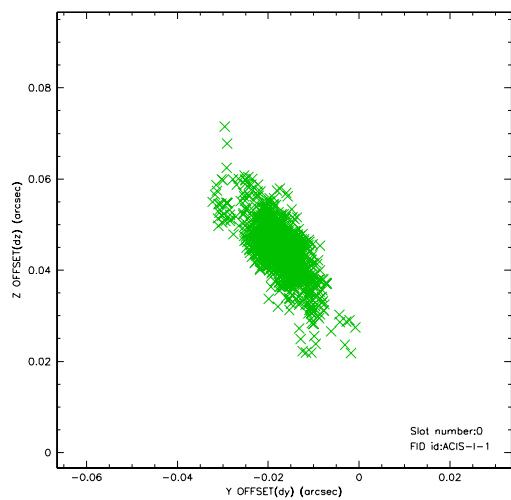


## 2.4.5 Slot 7

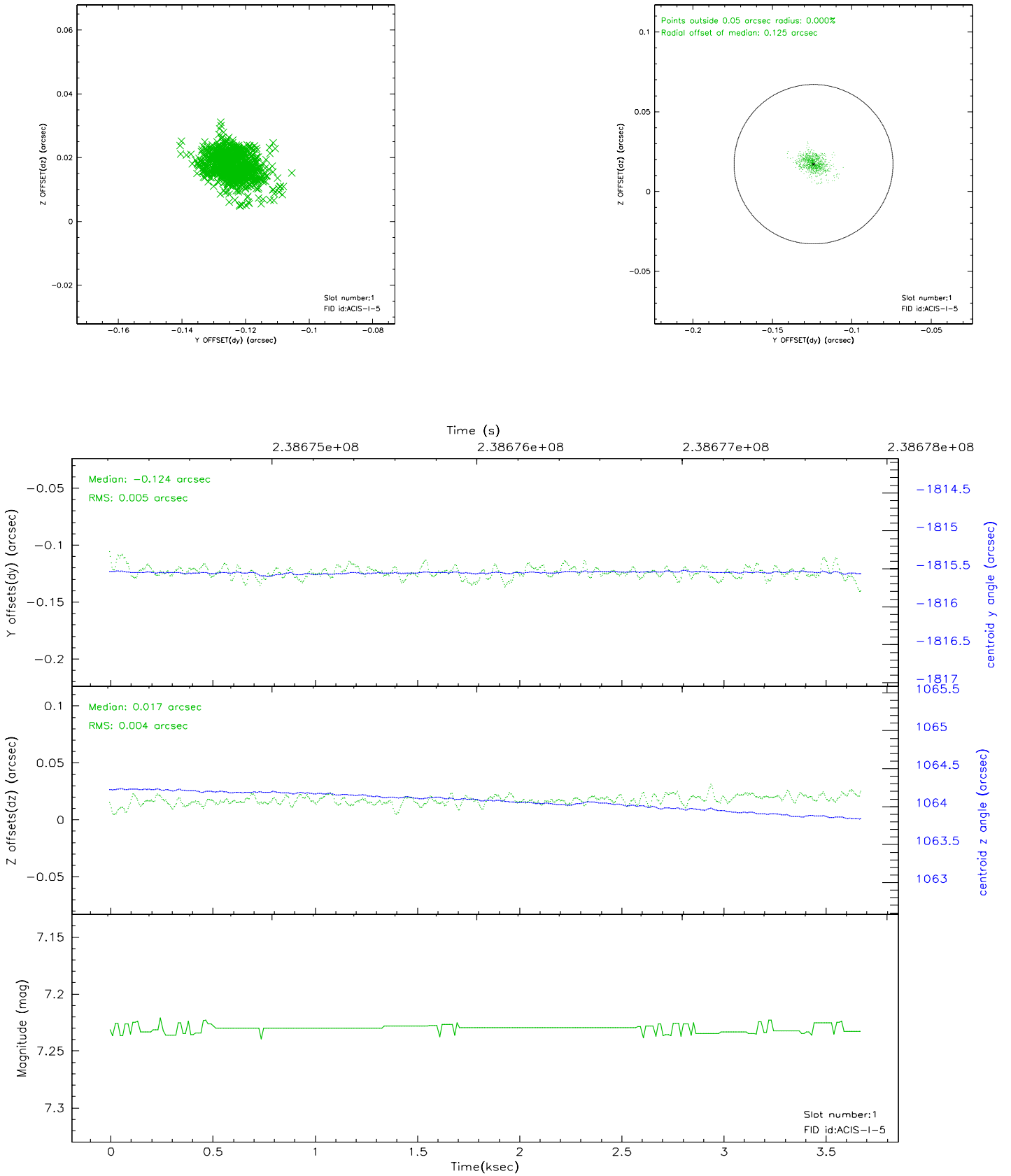


## 2.5 FID Slots

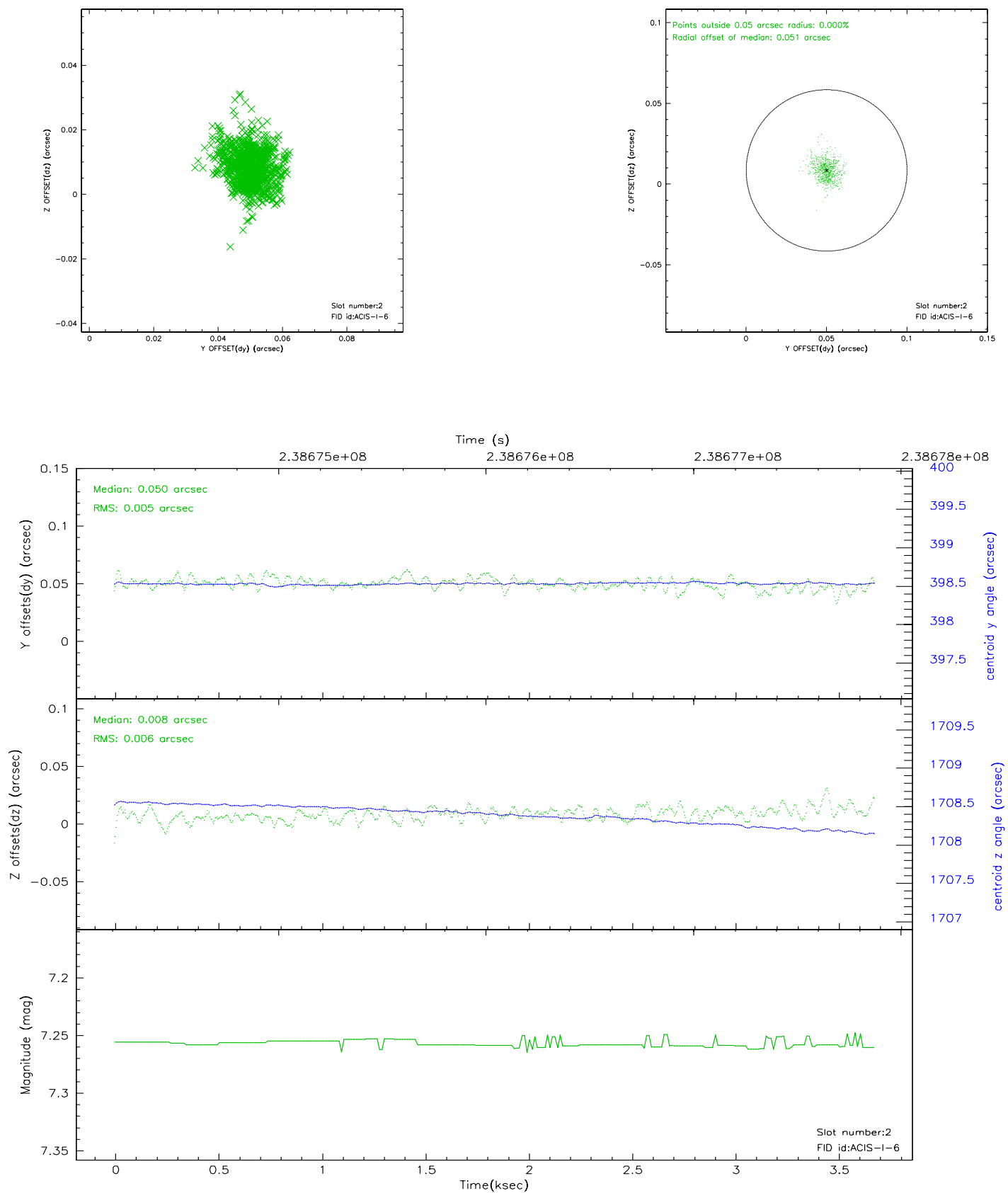
### 2.5.1 Slot 0



## 2.5.2 Slot 1

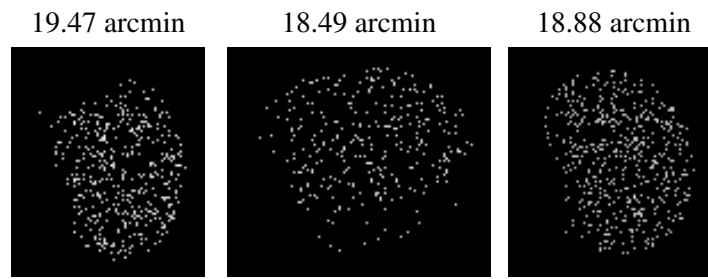


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.759572

### A.2 Comments